

Title (en)

APPARATUS AND METHODS FOR MANAGING EQUIPMENT STABILITY

Title (de)

VORRICHTUNGEN UND VERFAHREN ZUR VERWALTUNG VON GERÄTESTABILITÄT

Title (fr)

APPAREIL ET PROCEDES DE GESTION DE LA STABILITE D'UN EQUIPEMENT

Publication

EP 2419704 A2 20120222 (EN)

Application

EP 10712096 A 20100318

Priority

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- US 42245009 A 20090413

Abstract (en)

[origin: US2010257945A1] Apparatus and methods for determining the instability of equipment by measuring the reaction forces at different points at the base of the equipment are disclosed. A plurality of load sensors are symmetrically arranged at the base of the equipment. A Cartesian coordinate system is then imposed on the base of the equipment with the center of the base being the origin of the Cartesian coordinate system. The X-axis and the Y-axis of the Cartesian coordinate system are arranged to define a plane corresponding to the base of the equipment. Each load sensor is then designated with Cartesian coordinates and the reaction force at each load sensor is determined. An overall instability factor for the equipment is then determined from the Cartesian coordinates of each load sensor and the reaction force at that load sensor.

IPC 8 full level

G01M 1/12 (2006.01)

CPC (source: EP US)

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